

THE EAST BAY AMATEUR RADIO CLUB, INC.

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# THE BLOWN FUSE

CLUB STATION W6CUS

VOLUME LXV NUMBER 5 & 6

MAY/JUNE 2017

## EBARC Meetings

May 26, 2017, 7:30 p.m.

“August 2017 Solar Eclipse”

June 9, 2017, 7:30 p.m.

“Field Day Planning”

EBARC meets this month at El Sobrante United Methodist Church, 670  
Applan Way, El Sobrante (enter parking opposite 5156 Argyle Rd.)

The Executive Board meets monthly before each general meeting. For the date,  
time, & location, contact President Jay Sparks, KJ6HSH, at 384-4233.



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THE EAST BAY AMATEUR RADIO CLUB, INC.  
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El Cerrito, CA 94530

*The Blown Fuse* is published monthly by the East Bay Amateur Radio Club, Inc. and is free to its members. *The Blown Fuse* welcomes articles of interest to its members and amateur radio in general. *The Blown Fuse* reserves the right to edit or reject any material submitted. Material submitted becomes the property of *The Blown Fuse*. Permission is hereby granted to reproduce material printed herein provided proper acknowledgment is given. Editor: Sharon Primbsch, AA6XZ

Deadline for July issue: Tue., June 27<sup>th</sup>

*[Articles may be submitted by "snail" mail, by dictation over the 'phone 510-741-8227, or by e-mail to aa6xz@earthlink.net]*

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#### MAY/JUNE MEETING VENUE AND DATES

The El Sobrante Library is still unavailable for our meetings for at least two more months. We've found another nearby location. We will be meeting at the El Sobrante United Methodist Church on the 4<sup>th</sup> Friday of May. In June, we'll also be at the church on the 2<sup>nd</sup> Friday of (June 9<sup>th</sup>). The location is:

**El Sobrante United Methodist Church  
670 Appian Way, El Sobrante**

**Parking entrance is opposite 5156 Argyle Rd.  
GPS coordinates: 37.981938, -122.294720**

**Directions: from the center of I-80 and the Appian Way exit, it is 1.0 miles to Appian and Argyle Rd. (If you get to the El Sobrante Post Office on your right, you have gone too far.) Turn left onto Argyle Rd., pass the parking lot on your right, then enter the lot on your left.**

In July we might be able to return to our usual location and schedule, i.e., the El Sobrante Library on the 2<sup>nd</sup> Friday of each month.

## President's Message Jay Sparks, KJ6HSH

Lions, foxes and birds, oh my! Alan Bowker, WA6DNR, gave a fascinating talk on satellites at the April meeting. AMSAT will have a station at Pacificon for further investigation. This is just another reminder why our hobby has so much to offer. Thanks Alan. Thanks also goes to Peter Hoffman, W6DEI, for arranging such a dynamic speaker series.

My mission continues as to how best to pull millennials into the fold. The ARRL is reaching out to the Maker movement as well. Toward that, Maker Faire is in San Mateo this month, and I'll attend on Saturday, May 20. Tickets are \$35. Also, the Electronic Flea Market in Cupertino is June 6<sup>th</sup>. I usually leave for it about 7-8 a.m. and return home before 1 p.m. This is a great opportunity to meet with members of other clubs. May 11<sup>th</sup>, the 4Cs are meeting at 5 p.m. at Mountain Mike's in Pinole. Let me know if you'd like to carpool to any of these events.

Here are a couple of other dates moving forward. Next weekend is the Grizzly Peak Century Bike Ride; next month is Camp Fages Boy Scout Hike; and (of course) Field Day is on June 24-25 (setup on the 23<sup>rd</sup>).

For the next two months, May and June, we will meet at the church. In June, the meeting will be the second Friday, June 9<sup>th</sup>, to give us time to better plan for our Field Day (which is at César Chávez Park, 11 Spinnaker Way, Berkeley).

As a final note, I've appointed Robin Spalding, N6RLS, and Jim Fast, KK6NDG, to the EBARC Executive Committee as Members-at-Large. Thanks for volunteering, Robin and Jim!

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Many thanks to Michael McMillan, K6MCM, for preafrooding this month's *Blown Fuse*.

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## May 26<sup>th</sup> EBARC Meeting

Peter Hoffman, W6DEI

Our May 26th meeting will feature a discussion featuring various "ham radio science citizens." A major solar eclipse will occur on August 21, 2017, fully to partially visible across all of North America. A solar eclipse will cause changes in the earth's ionosphere, and hence, HF radio wave propagation. This is a perfect opportunity to investigate those effects. HAMSci (Ham Radio Science Citizens Investigation) is organizing an effort to crowd-source data collection for analysis of this phenomenon. The ARRL is hosting a Solar Eclipse QSO Party in an effort to get as many stations on the air as possible during the hours of the eclipse and collecting logs that should give us insight into the effects of the eclipse on propagation. HAMSci is also encouraging hams to collect data with tools that are used in the Reverse Beacon Network like CW Skimmer, RTTY Skimmer, and PSK Reporter. All of the collected skimmer and contest log data will be made available to academic institutions wishing to study these effects. This presentation will show you how you can get involved in this data collection effort. As with any crowd-sourced event, the key is "The Crowd," so we hope to encourage as many people as possible to get involved.

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## June 9<sup>th</sup> EBARC Meeting

Peter Hoffman, W6DEI

The June 2017 meeting will, as is traditional, be a Field Day organizing session. Even if you never participate in contests, this is the one "contest" you should make an exception for. More than competition, Field Day is about having fun, learning new stuff, and both personal and group satisfaction for a job well done. If your primary interest in ham radio is emergency preparedness there is probably no better training ground to practice your skills than Field Day. So please join us for the June meeting and the June 23-25 event itself.

## Treasurer's Report

March 2017

Randy Jenkins, KA6BQF, Treasurer

### MARCH GENERAL FUND<sup>1</sup>

Beginning Balance .....\$6,601.77

#### Income:

Renewal, Individual: N6JGC .....\$30.00

Renewal, Family: KI6FYW, K6JEB .....35.00

Refreshment Kitty .....13.00

Total General Income:.....\$78.00

#### Disbursements

Postage .....\$30.80

Refreshments .....18.70

Roster Printing .....34.65

Total General Expenditures.....\$84.15

Ending Balance .....\$6,595.62  
(portion as petty cash..... \$63.20)

<sup>1</sup>\$100 earmarked for youth scholarships.

In May 2015 the club voted to contribute \$150.00 to Cal's Balloon Launch Project. We have not yet made that donation.

### MARCH STATION FUND

Beginning Balance: .....\$1,585.69

Total Station Income .....0.00

Total Station Expenditures .....0.00

Ending Balance .....\$1,585.69

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## DigiPan for Blind Hams

*[This info was sent by email to Ye Olde Editor]*

Recently, an app has been created that for the first time ever allows blind hams to participate in PSK31. The app is being given away to the world for free. Essentially, this app allows blind hams to use their computer's "screen reader" to work with DigiPan. Several members of the "Westside [of Los Angeles] Amateur Radio Club" participated in creating this app.

To support the continued creation of adaptive technologies for blind hams, a GoFundMe webpage has been created. The link to it is below. You can learn a little more about this app there too.

<https://www.gofundme.com/accessible-digipan-for-blind-hams>

73, Richard KK6MRH

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## **Treasurer's Report**

**April 2017**

**Randy Jenkins, KA6BQF, Treasurer**

### APRIL GENERAL FUND<sup>1</sup>

Beginning Balance .....\$6,595.62

#### Income:

New Members: N6SPP, KM6HFT ....\$22.50

Refreshment Kitty .....21.00

Total General Income: .....\$43.50

#### Disbursements

Refreshments.....\$42.02

Total General Expenditures .....\$42.02

Ending Balance .....\$6,597.10

(portion as petty cash .....\$62.00)

<sup>1</sup>\$100 earmarked for youth scholarships.

In May 2015 the club voted to contribute \$150.00 to Cal's Balloon Launch Project. We have not yet made that donation.

### APRIL STATION FUND

Beginning Balance: .....\$1,585.69

Total Station Income .....0.00

Total Station Expenditures .....0.00

Ending Balance .....\$1,585.69

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## **Future Bay Area Events**

- Current Bay Area Public Service Events: See [www.ebarc.org](http://www.ebarc.org), click on "Current Events", then scroll to "Public Service."
- EBARC, ORCA, and ARCA sponsor joint ARRL VEC Amateur Radio Test Sessions quarterly at 9 a.m. in the Media Room, 1605 Martin Luther King Jr. Way (at 16<sup>th</sup> St.), Oakland. The remaining test dates for 2017 are; Jul. 23<sup>rd</sup> and Oct. 29<sup>th</sup>. The fee for 2017 is \$15. Info: 510-918-4627 or 510-741-8227.
- CoCoCo ACS Training: Details from [mcmillan50y@yahoo.com](mailto:mcmillan50y@yahoo.com) or via RACES net, 6:45 p.m., Thursdays on 145.11 MHz.

The East Bay Amateur Radio Club, founded in 1947, is a California non-profit organization of amateur radio operators in Contra Costa and Alameda counties. The club is open to anyone interested in amateur radio. Annual dues are \$30 for individual membership, \$35 for a family membership, and \$10 for students K-12. For information, send email to [ebarcw6cus@gmail.com](mailto:ebarcw6cus@gmail.com), contact any EBARC officer, see Web page [www.ebarc.org](http://www.ebarc.org), or write EBARC, P.O. Box 1393, El Cerrito, CA 94530. You can also follow us on Twitter using @w6cus.

## 2017 East Bay Amateur Radio Club Executive Committee

Jay Sparks, KJ6HSH, President.....	384-4233
Peter Hoffman, W6DEI, 1 <sup>st</sup> VP - Program Chair / Webmaster.....	684-6543
Ken Fowler, KO6NO, 2 <sup>nd</sup> VP - Hospitality / Club Station Mgr.....	222-0830
Sharon Primbsch, AA6XZ, 3 <sup>rd</sup> VP - Membership / <i>Blown Fuse</i> Editor.....	741-8227
Ron Antaki, KK6NDJ, Secretary.....	375-3756
Randy Jenkins, KA6BQF, Treasurer / Finance Committee Chair.....	707-557-5521
Robin Spalding, N6RLS, Member-at-Large.....	528-1144
Jim Fast, KK6NDG, Member-at-Large .....	237-7145

## 2017 EBARC's Other Committee Heads and Contacts

Jack Burris, K6JEB, W6CUS Trustee.....	415-305-2547
Club Station Manager, Stanton Gleason, KD6SWU.....	385-4044
Field Day Chair, Ken Fowler, KO6NO .....	222-0830
Silent Key Chair .....	
Social & Digital Committees Chair .....	
RFI Committee Chair.....	
Historian .....	

## AMATEUR RADIO NETS

NET	DAYS	LOCAL TIME	FREQ, MHZ
West Contra Costa EMCOMM Net	Thurs	1845 (PL 82.5-)	145.110
KARO/ECHO ARES/RACES Net	Thurs	~1900 simplex	146.415
EBARC "Explore Net" (HF)	Mon	1930 (USB)	28.425
NALCO RACES/ARES Net	Thurs	1915 (PL 131.8+)	440.900
Oakland ARES Emergency Communications Net	Thurs	1930 (PL 77-)	146.880
Contra Costa Communications Club Net	Thurs	1930 (PL 82.5-)	145.110
Tech Net	Thurs	2000 (PL 82.5-)	145.110
"Over the Hill Gang" Breakfast/Commute Net	Mo-Fr	0710 (PL 82.5-)	145.110
Northern Calif. Net VHF Session (traffic)	Daily	1930 (PL 107.2-)	145.410
"QRM Net"	Tues	1930 (PL 82.5-)	224.300
9 a.m. Talk Net	Mo-Fr	0900 (PL 100.0-)	145.230
Youth Net	Sat	1400 (PL 100.0-)	145.230

RACES, West CoCoCo: Mike McMillan, K6MCM, [mcmillan50y@yahoo.com](mailto:mcmillan50y@yahoo.com), phone 510 223-3052.  
Frequencies: #1=145.110-, #2=147.570s.

# HAM RADIO OUTLET

14 STORE BUYING POWER!

**ICOM**



## IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



## IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



## IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



## ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

## ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz\*\* • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



**KENWOOD**



## TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



## TM-D710G | 2M/440 Dualband

- V+V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



## TM-V71A | 2M/440 Dualband

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



## TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

## TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



**YAESU**  
The radio



## FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz • SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/4440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



## FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



## FT-450D | 100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



## FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

## FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- ONLINE - [WWW.HAMRADIO.COM](http://WWW.HAMRADIO.COM)
- FAX - All store locations
- MAIL - All store locations

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OAKLAND, CA

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PORTLAND, OR

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PHOENIX, AZ

(800) 559-7388

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PLANO, TX

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BURBANK, CA

(877) 892-1748

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(877) 520-9623

NEW CASTLE, DE

(800) 644-4476

DENVER, CO

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